

|   |  |   |   |  |
|---|--|---|---|--|
| Prüfbericht-Nr.:<br>Test report no.:  | CN25D2HQ 003   | Auftrags-Nr.:<br>Order no.:   | 168549449                                     | Seite 1 von 22<br>Page 1 of 22           |
| Kunden-Referenz-Nr.:<br>Client reference no.:   | N/A  | Auftragsdatum:<br>Order date:   | 2025-04-15                                    |  |
| Auftraggeber:<br>Client:  | Lumi United Technology Co., Ltd.<br>Room 801-804, Building 1, Chongwen Park, Nanshan iPark, No. 3370, Liuxian Avenue, Fuguang Community, Taoyuan Residential District, Nanshan District, Shenzhen, China |   |   |  |
| Prüfgegenstand:<br>Test item:   | Smart Lock U400  |   |   |  |
| Bezeichnung / Typ-Nr.:<br>Identification / Type no.:  | DL-D06E, DL-D16E, DL-D06D, DL-D16D, DL-D17D, DL-D15D   |   |   |  |
| Auftrags-Inhalt:<br>Order content:  | Test Report  |   |   |  |
| Prüfgrundlage:<br>Test specification:   | EN 300 330 V 2.1.1<br>EN 62479:2010  |   |   |  |
| Wareneingangsdatum:<br>Date of sample receipt:  | 2025-04-21   |            |   |  |
| Prüfmuster-Nr.:<br>Test sample no.:   | A003967556-004-005<br>A003968627-001   |   |   |  |
| Prüfzeitraum:<br>Testing period:  | 2025-05-09   |   |   |  |
| Ort der Prüfung:<br>Place of testing:   | TÜV Rheinland<br>(Shenzhen) Co., Ltd.  |   |   |  |
| Prüflaboratorium:<br>Testing laboratory:  | TÜV Rheinland<br>(Shenzhen) Co., Ltd.  |   |   |  |
| Prüfergebnis*:<br>Test result*:   | Pass   |   |   |  |
| geprüft von:<br>tested by:  | X Lin Lin Lin  | genehmigt von:<br>authorized by:  | X Andy Yan                                    |  |
| Datum:<br>Date:   | 2025-06-12   | Ausstellungsdatum:<br>Issue date:   | 2025-06-12                                    |  |
| Stellung / Position:  | Sachverständige(r)/Expert  | Stellung / Position:  | Sachverständige(r)/Expert                     |  |
| Sonstiges / Other:  | This report is for Radio Spectrum and Health of NFC requirements.  |   |   |  |
| Zustand des Prüfgegenstandes bei Anlieferung:<br>Condition of the test item at delivery:  | Prüfmuster vollständig und unbeschädigt<br>Test item complete and undamaged  |   |   |  |
| * Legende:<br>* Legend:   | P(ass) = entspricht o.g. Prüfgrundlage(n)<br>P(ass) = passed a.m. test specification(s)  | F(ail) = entspricht nicht o.g. Prüfgrundlage(n)<br>F(ail) = failed a.m. test specification(s) | N/A = nicht anwendbar<br>N/A = not applicable | N/T = nicht getestet<br>N/T = not tested |
| <p><b>Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens.</b></p> <p><i>This test report only relates to the above mentioned test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark.</i></p> |  |   |   |  |

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**Anmerkungen**  
**Remarks**

|   |  |
|---|--|
| 1 | <p>Alle eingesetzten Prüfmittel waren zum angegebenen Prüfzeitraum gemäß eines festgelegten Kalibrierungsprogramms unseres Prüfhauses kalibriert. Sie entsprechen den in den Prüfprogrammen hinterlegten Anforderungen. Die Rückverfolgbarkeit der eingesetzten Prüfmittel ist durch die Einhaltung der Regelungen unseres Managementsystems gegeben.<br/>Detaillierte Informationen bezüglich Prüfkonditionen, Prüfequipment und Messunsicherheiten sind im Prüflabor vorhanden und können auf Wunsch bereitgestellt werden.</p> <p><i>The equipment used during the specified testing period was calibrated according to our test laboratory calibration program. The equipment fulfills the requirements included in the relevant standards. The traceability of the test equipment used is ensured by compliance with the regulations of our management system.<br/>Detailed information regarding test conditions, equipment and measurement uncertainty is available in the test laboratory and could be provided on request.</i></p>  |
| 2 | <p>Wie vertraglich vereinbart, wurde dieses Dokument nur digital unterzeichnet. Der TÜV Rheinland hat nicht überprüft, welche rechtlichen oder sonstigen diesbezüglichen Anforderungen für dieses Dokument gelten. Diese Überprüfung liegt in der Verantwortung des Benutzers dieses Dokuments. Auf Verlangen des Kunden kann der TÜV Rheinland die Gültigkeit der digitalen Signatur durch ein gesondertes Dokument bestätigen. Diese Anfrage ist an unseren Vertrieb zu richten. Eine Umweltgebühr für einen solchen zusätzlichen Service wird erhoben. Informationen zur Verifizierung der Authentizität unserer Dokumente erhalten Sie auf folgender Webseite: <a href="http://go.tuv.com/digital-signature">go.tuv.com/digital-signature</a></p> <p><i>As contractually agreed, this document has been signed digitally only. TUV Rheinland has not verified and unable to verify which legal or other pertaining requirements are applicable for this document. Such verification is within the responsibility of the user of this document. Upon request by its client, TUV Rheinland can confirm the validity of the digital signature by a separate document. Such request shall be addressed to our Sales department. An environmental fee for such additional service will be charged. For information on verifying the authenticity of our documents, please visit the following website: <a href="http://go.tuv.com/digital-signature">go.tuv.com/digital-signature</a></i></p> |
| 3 | <p>Prüfklausel mit der Note * wurden an qualifizierte Unterauftragnehmer vergeben und sind unter der jeweiligen Prüfklausel des Berichts beschrieben.<br/>Abweichungen von Prüfspezifikation(en) oder Kundenanforderungen sind in der jeweiligen Prüfklausel im Bericht aufgeführt.</p> <p><i>Test clauses with remark of * are subcontracted to qualified subcontractors and described under the respective test clause in the report.<br/>Deviations of testing specification(s) or customer requirements are listed in specific test clause in the report.</i></p>  |
| 4 | <p>Die Entscheidungsregel für Konformitätserklärungen basierend auf numerischen Messergebnissen in diesem Prüfbericht basiert auf der "Null-Grenzwert-Regel" und der "Einfachen Akzeptanz" gemäß ILAC G8:2019 und IEC Guide 115:2023, es sei denn, in der auf Seite 1 dieses Berichts genannten angewandten Norm ist etwas anderes festgelegt oder vom Kunden gewünscht. Dies bedeutet, dass die Messunsicherheit nicht berücksichtigt wird und daher auch nicht im Prüfbericht angegeben wird. Zu weiteren Informationen bezüglich des Risikos durch diese Entscheidungsregel siehe ILAC G8:2019.</p> <p><i>The decision rule for statements of conformity, based on numerical measurement results, in this test report is based on the "Zero Guard Band Rule" and "Simple Acceptance" in accordance with ILAC G8:2019 and IEC Guide 115:2023, unless otherwise specified in the applied standard mentioned on Page 1 of this report or requested by the customer. This means that measurement uncertainty is not taken in account and hence also not declared in the test report. For additional information to the resulting risk based of this decision rule please refer to ILAC G8:2019.</i></p>   |

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## **Test Summary**

**5.1.1 PERMITTED RANGE OF OPERATING FREQUENCIES**

*RESULT:* Pass

**5.1.2 OPERATING FREQUENCY RANGES**

*RESULT:* Pass

**5.1.3 MODULATION BANDWIDTH**

*RESULT:* Pass

**5.1.4 TRANSMITTER H-FIELD REQUIREMENTS**

*RESULT:* Pass

**5.1.5 TRANSMITTER RF CARRIER CURRENT**

*RESULT:* Not applicable

**5.1.6 TRANSMITTER RADIATED E-FIELD**

*RESULT:* Not applicable

**5.1.7 TRANSMITTER CONDUCTED SPURIOUS EMISSIONS**

*RESULT:* Not applicable

**5.1.8 TRANSMITTER SPURIOUS EMISSIONS < 30MHz**

*RESULT:* Pass

**5.1.9 TRANSMITTER SPURIOUS EMISSIONS > 30MHz**

*RESULT:* Pass

**5.1.10 TRANSMITTER FREQUENCY STABILITY**

*RESULT:* Not applicable

**5.2.1 RECEIVER SPURIOUS EMISSIONS**

*RESULT:* Not applicable

**5.2.2 ADJACENT CHANNEL SELECTIVITY**

*RESULT:* Not applicable

**5.2.3 BLOCKING OR DESENSITIZATION**

*RESULT:* Not applicable

**6.1.1 ELECTROMAGNETIC FIELDS**

*RESULT:* Pass

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## 1 General Remarks

### 1.1 Complementary Materials

All attachments are integral parts of this test report. This applies especially to the following appendix:  
Appendix A: Test Results of NFC.

## 2 Test Sites

### 2.1 Test Facilities

**TÜV Rheinland (Shenzhen) Co., Ltd.**

2-3F, 101 & 102, No.2, Nuclear Power Industrial Park, Fuming Community, Fucheng Street, Longhua District, Shenzhen 518000, China  
CNAS Registration No.: L3080

### 2.2 List of Test and Measurement Instruments

**Table 1: List of Test and Measurement Equipment**

| <b>Radio Spectrum Testing (TS8997)</b>    |                     |                   |                   |                  |                   |
|---|---------------------|-------------------|-------------------|------------------|-------------------|
| <b>Equipment</b>                          | <b>Manufacturer</b> | <b>Model</b>      | <b>Serial No.</b> | <b>Cal. Date</b> | <b>Cal. until</b> |
| Wireless Connectivity Tester              | R&S                 | CMW270            | 101375            | 2024-09-26       | 2025-09-25        |
| Signal Analyzer                           | R&S                 | FSV 40            | 101441            | 2024-09-26       | 2025-09-25        |
| Vector Signal Generator                   | R&S                 | SMBV100A          | 263301            | 2024-09-26       | 2025-09-25        |
| Signal Generator                          | R&S                 | SMB100A           | 115186            | 2024-09-26       | 2025-09-25        |
| OSP                                       | R&S                 | OSP 150           | 101017            | 2024-10-31       | 2025-10-30        |
| Control PC                                | DELL                | OptiPlex 7050     | FTJZ9P2           | N/A              | N/A               |
| Test Software                             | R&S                 | WMS32 (V11.00.00) | N/A               | N/A              | N/A               |
| Power Meter                               | R&S                 | NRP2              | 107105            | 2024-10-31       | 2025-10-30        |
| Wideband Power Sensor                     | R&S                 | NRP-Z81           | 105677            | 2024-09-26       | 2025-09-25        |
| Shielding Room                            | Albatross           | SR1               | APC17151-SR1      | 2024-09-14       | 2027-09-13        |
| <b>Unwanted Emission Testing (TS9975)</b> |                     |                   |                   |                  |                   |
| <b>Equipment</b>                          | <b>Manufacturer</b> | <b>Model</b>      | <b>Serial No.</b> | <b>Cal. Date</b> | <b>Cal. until</b> |
| EMI Test Receiver                         | R&S                 | ESR 7             | 102021            | 2024-09-29       | 2025-09-28        |
| Signal Analyzer                           | R&S                 | FSV 40            | 101439            | 2024-09-29       | 2025-09-28        |
| System Controller Interface               | R&S                 | SCI-100           | S10010038         | N/A              | N/A               |
| Filterbank                                | R&S                 | Wlan              | 100759            | 2024-09-29       | 2025-09-28        |
| OSP                                       | R&S                 | OSP 120           | 102040            | N/A              | N/A               |
| Pre-amplifier                             | R&S                 | SCU08F1           | 08320031          | 2024-09-29       | 2025-09-28        |
| Amplifier                                 | R&S                 | SCU-18F           | 180070            | 2024-09-29       | 2025-09-28        |
| Amplifier                                 | R&S                 | SCU40A            | 100475            | 2024-09-29       | 2025-09-28        |
| Trilog Broadband Antenna (30 MHz - 7 GHz) | Schwarzbeck         | VULB 9162         | 193               | 2024-09-28       | 2025-09-27        |
| Active Loop Antenna                       | Schwarzbeck         | FMZB 1513         | 302               | 2024-09-28       | 2025-09-27        |
| Test software                             | R&S                 | EMC32 (V10.60.10) | N/A               | N/A              | N/A               |

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|                          |           |               |              |            |            |
|--------------------------|-----------|---------------|--------------|------------|------------|
| Control PC               | Dell      | OptiPlex 7050 | 36NV9P2      | N/A        | N/A        |
| 3m Semi-Anechoic Chamber | Albatross | SAC-3m        | APC17151-SAC | 2024-09-14 | 2027-09-13 |

## 2.3 Uncertainty of Measurement

Table 2: Measurement Uncertainty

| Parameter                  | Uncertainty (k=2) |
|----------------------------|-------------------|
| RF output power, conducted | ± 0.99 dB         |
| Occupied Channel Bandwidth | ± 2.08 %          |
| All emissions, radiated    | ± 4.17 dB         |

## 3 General Product Information

### 3.1 Product Function and Intended Use

The Product is Smart Lock U400 which supports Bluetooth low energy, Thread, NFC and UWB functions.

Product difference description

| Smart Lock U400            | Version 1             | Version 2 | Version 3                         | Version 4 | Version 5                | Version 6    |
|----------------------------|-----------------------|-----------|-----------------------------------|-----------|--------------------------|--------------|
| Model                      | DL-D06E               | DL-D16E   | DL-D06D                           | DL-D16D   | DL-D17D                  | DL-D15D      |
| Color                      | Black                 | Silver    | Black                             | Silver    | Shadow Black             | Satin Nickel |
| Finishing                  | Matte (Spray Coating) |           | Matte (Spray Coating)             |           | Brushed (Electroplating) |              |
| Package content difference | Li-ion Battery x 1    |           | Li-ion Battery x 1 + Hub M100 x 1 |           | Li-ion Battery x 2       |              |
| External Panel             |                       |           |                                   |           |                          |              |
| Shape                      | Curved                |           | Flat                              |           | Flat                     |              |
| Main Body Material         | Aluminium             |           | Aluminium                         |           | Zinc                     |              |
| Gliding Plate Material     | Aluminium             |           | Zinc                              |           | Zinc                     |              |
| Keypad Material            | PC + PET              |           | PMMA                              |           | PMMA                     |              |
| Internal Panel             |                       |           |                                   |           |                          |              |
| Main Body Material         |                       | Plastic   |                                   |           |                          |              |
| Knob                       | Aluminium             |           | Aluminium                         |           | Zinc                     |              |

For details refer to the User Manual, Technical Description and Circuit Diagram.

### 3.2 Ratings and System Details

Table 3: Technical Specification of EUT

| General Information of EUT     | Value  |
|--------------------------------|--|
| Kind of Equipment:             | Smart Lock U400  |
| Type Designation:              | DL-D06E, DL-D16E, DL-D06D, DL-D16D, DL-D17D, DL-D15D<br>Note1: The differences between the products refer to above table.<br>Note2: Select model DL-D06E as the main test model. |
| Operating Voltage:             | Battery operated (7.3Vdc, 4880mAh) or USB-C operated (5V)  |
| Operating Temperature Range:   | -35 °C ~ +66 °C  |
| Technical Specification of NFC |  |
| Permitted Frequency Band:      | 13.553 to 13.567MHz  |
| Operating Frequency:           | 13.56 MHz  |
| Type of Modulation:            | ASK  |
| Channel Number:                | 1 channel  |
| Antenna Type:                  | Coil Antenna   |

Note: The correctness of all data provided by customer in the test report is ensured and responsible of the customer. Any misjudgment of the test results caused by the use of incorrect data provided by customer shall be borne by the customer.

### 3.3 Independent Operation Modes

The basic operation modes are:

- A. On, NFC
  - 1. Operating mode
  - 2. Standby mode
- B. Off

### 3.4 Noise Generating and Noise Suppressing Parts

For details refer to the sample inside.

### 3.5 Submitted Documents

- Application Form
- Operation Description
- User Manual
- Rating Label

## 4 Test Set-up and Operation Modes

### 4.1 Principle of Configuration Selection

**Emission:** The equipment under test (EUT) was configured to measure its highest possible radiation level. The test modes were adapted accordingly in reference to the instructions for use.

**Radio Spectrum:** The equipment under test (EUT) was configured at its highest power output in order to measure its highest possible radiation and conducted level. The test modes were adapted accordingly in reference to the instructions for use.

### 4.2 Test Operation and Test Software

Test operation refers to test setup in chapter 5 and chapter 7.

According to clause 3.1, all tests were performed on model *DL-D06E* in this report.

### 4.3 Special Accessories and Auxiliary Equipment

Table 4: List of Accessories and Auxiliary Equipment

| Description | Manufacturer | Model | S/N       |
|-------------|--------------|-------|-----------|
| Laptop      | Lenovo       | T480  | PF-16A6N8 |

### 4.4 Countermeasures to Achieve EMC Compliance

The test sample which has been tested contained the noise suppression parts as described in the Technical Construction File (TCF).

No additional measures were employed to achieve compliance.

## 5 Test Results ERM

### 5.1 Transmitter Requirement & Test Suites

#### 5.1.1 Permitted Range of Operating Frequencies

**RESULT:** Pass

##### Test Specification

|                  |   |                                   |
|------------------|---|-----------------------------------|
| Test standard    | : | EN 300 330 V2.1.1                 |
| Test requirement | : | EN 300 330 V2.1.1, Clause 4.3.1   |
| Limit            | : | EN 300 330 V2.1.1, Clause 4.3.1.3 |
| Test suites      | : | EN 300 330 V2.1.1, Clause 6.2.2   |

##### Test Setup

|                      |   |                           |
|----------------------|---|---------------------------|
| Date of testing      | : | 2025-05-09                |
| Test voltage         | : | Battery operated (7.3Vdc) |
| Test environment     | : | Normal temperature        |
| Operation mode       | : | A.1                       |
| Ambient temperature  | : | 24 °C                     |
| Relative humidity    | : | 50 %                      |
| Atmospheric pressure | : | 101 kPa                   |

The permitted range of operating frequencies for intentional emissions entirely within the frequency bands in table 1.

The test data refer to clause 5.1.2.

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## 5.1.2 Operating Frequency Ranges

**RESULT:**

**Pass**

### Test Specification

|                  |   |                                   |
|------------------|---|-----------------------------------|
| Test standard    | : | EN 300 330 V2.1.1                 |
| Test requirement | : | EN 300 330 V2.1.1, Clause 4.3.2   |
| Limit            | : | EN 300 330 V2.1.1, Clause 4.3.2.3 |
| Test suites      | : | EN 300 330 V2.1.1, Clause 6.2.2   |

### Test Setup

|                      |   |                           |
|----------------------|---|---------------------------|
| Date of testing      | : | 2025-05-09                |
| Test voltage         | : | Battery operated (7.3Vdc) |
| Test environment     | : | Normal temperature        |
| Operation mode       | : | A.1                       |
| Ambient temperature  | : | 24 °C                     |
| Relative humidity    | : | 50 %                      |
| Atmospheric pressure | : | 101 kPa                   |

For the measurement records, refer to the appendix A.

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### 5.1.3 Modulation Bandwidth

**RESULT:**

**Pass**

#### Test Specification

|                  |   |                                   |
|------------------|---|-----------------------------------|
| Test standard    | : | EN 300 330 V2.1.1                 |
| Test requirement | : | EN 300 330 V2.1.1, Clause 4.3.3   |
| Limit            | : | EN 300 330 V2.1.1, Clause 4.3.3.3 |
| Test suites      | : | EN 300 330 V2.1.1, Clause 6.2.3   |

#### Test Setup

|                      |   |                           |
|----------------------|---|---------------------------|
| Date of testing      | : | 2025-05-09                |
| Test voltage         | : | Battery operated (7.3Vdc) |
| Test environment     | : | Normal temperature        |
| Operation mode       | : | A.1                       |
| Ambient temperature  | : | 24 °C                     |
| Relative humidity    | : | 50 %                      |
| Atmospheric pressure | : | 101 kPa                   |

For the measurement records, refer to the appendix A.

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## 5.1.4 Transmitter H-field Requirements

**RESULT:**

**Pass**

### Test Specification

|                  |   |                                   |
|------------------|---|-----------------------------------|
| Test standard    | : | EN 300 330 V2.1.1                 |
| Test requirement | : | EN 300 330 V2.1.1, Clause 4.3.4   |
| Limit            | : | EN 300 330 V2.1.1, Clause 4.3.4.3 |
| Test suites      | : | EN 300 330 V2.1.1, Clause 6.2.4   |

### Test Setup

|                      |   |                           |
|----------------------|---|---------------------------|
| Date of testing      | : | 2025-05-09                |
| Test voltage         | : | Battery operated (7.3Vdc) |
| Test environment     | : | Normal temperature        |
| Operation mode       | : | A.1                       |
| Ambient temperature  | : | 24 °C                     |
| Relative humidity    | : | 50 %                      |
| Atmospheric pressure | : | 101 kPa                   |

For the measurement records, refer to the appendix A.

**Prüfbericht - Nr.: CN25D2HQ 003**  
Test Report No.:

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### 5.1.5 Transmitter RF Carrier Current

**RESULT:**

Not applicable

**Test Specification**

|                  |   |                                   |
|------------------|---|-----------------------------------|
| Test standard    | : | EN 300 330 V2.1.1                 |
| Test requirement | : | EN 300 330 V2.1.1, Clause 4.3.5   |
| Limit            | : | EN 300 330 V2.1.1, Clause 4.3.5.3 |
| Test suites      | : | EN 300 330 V2.1.1, Clause 6.2.5   |

Note: the EUT is Class 1 Product, according to clause 4.3.5.1 of EN 300 330 V2.1.1: 2017, this requirement is applied to Product Class 3 only, hence this requirement is not applicable.

### 5.1.6 Transmitter Radiated E-field

**RESULT:**

Not applicable

**Test Specification**

|                  |   |                                   |
|------------------|---|-----------------------------------|
| Test standard    | : | EN 300 330 V2.1.1                 |
| Test requirement | : | EN 300 330 V2.1.1, Clause 4.3.6   |
| Limit            | : | EN 300 330 V2.1.1, Clause 4.3.6.3 |
| Test suites      | : | EN 300 330 V2.1.1, Clause 6.2.6   |

Note: the EUT is Class 1 Product, according to clause 4.3.6.1 of EN 300 330 V2.1.1: 2017, this requirement is applied to Product Class 4 only, hence this requirement is not applicable.

### 5.1.7 Transmitter Conducted Spurious Emissions

**RESULT:**

Not applicable

**Test Specification**

|                  |   |                                   |
|------------------|---|-----------------------------------|
| Test standard    | : | EN 300 330 V2.1.1                 |
| Test requirement | : | EN 300 330 V2.1.1, Clause 4.3.7   |
| Limit            | : | EN 300 330 V2.1.1, Clause 4.3.7.3 |
| Test suites      | : | EN 300 330 V2.1.1, Clause 6.2.7   |

Note: the EUT is Class 1 Product, according to clause 4.3.7.1 of EN 300 330 V2.1.1: 2017, this requirement is applied to Product Class 3 only, hence this requirement is not applicable.

**Prüfbericht - Nr.: CN25D2HQ 003**  
Test Report No.:

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## 5.1.8 Transmitter Spurious Emissions < 30MHz

**RESULT:**

**Pass**

**Test Specification**

|                  |   |                                   |
|------------------|---|-----------------------------------|
| Test standard    | : | EN 300 330 V2.1.1                 |
| Test requirement | : | EN 300 330 V2.1.1, Clause 4.3.8   |
| Limit            | : | EN 300 330 V2.1.1, Clause 4.3.8.3 |
| Test suites      | : | EN 300 330 V2.1.1, Clause 6.2.8   |

**Test Setup**

|                      |   |                           |
|----------------------|---|---------------------------|
| Date of testing      | : | 2025-05-09                |
| Test voltage         | : | Battery operated (7.3Vdc) |
| Test environment     | : | Normal temperature        |
| Operation mode       | : | A.1, A2                   |
| Ambient temperature  | : | 24 °C                     |
| Relative humidity    | : | 50 %                      |
| Atmospheric pressure | : | 101 kPa                   |

For the measurement records, refer to the appendix A.

**Prüfbericht - Nr.: CN25D2HQ 003**  
Test Report No.:

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## 5.1.9 Transmitter Spurious Emissions > 30MHz

**RESULT:**

**Pass**

**Test Specification**

|                  |   |                                   |
|------------------|---|-----------------------------------|
| Test standard    | : | EN 300 330 V2.1.1                 |
| Test requirement | : | EN 300 330 V2.1.1, Clause 4.3.9   |
| Limit            | : | EN 300 330 V2.1.1, Clause 4.3.9.3 |
| Test suites      | : | EN 300 330 V2.1.1, Clause 6.2.9   |

**Test Setup**

|                      |   |                           |
|----------------------|---|---------------------------|
| Date of testing      | : | 2025-05-09                |
| Test voltage         | : | Battery operated (7.3Vdc) |
| Test environment     | : | Normal temperature        |
| Operation mode       | : | A.1, A2                   |
| Ambient temperature  | : | 24 °C                     |
| Relative humidity    | : | 50 %                      |
| Atmospheric pressure | : | 101 kPa                   |

For the measurement records, refer to the appendix A.

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Test Report No.:

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### **5.1.10 Transmitter Frequency stability**

**RESULT:**

**Not applicable**

|                  |   |                                    |
|------------------|---|------------------------------------|
| Test standard    | : | EN 300 330 V2.1.1                  |
| Test requirement | : | EN 300 330 V2.1.1, Clause 4.3.10   |
| Limit            | : | EN 300 330 V2.1.1, Clause 4.3.10.3 |
| Test suites      | : | EN 300 330 V2.1.1, Clause 6.2.10   |

Note: The EUT is not a channelized systems, according to clause 4.3.10.1 of EN 300 330 V2.1.1: 2017, this requirement is applied to channelized systems only, hence this requirement is not applicable.

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## 5.2 Receiver Requirement & Test Suites

### 5.2.1 Receiver Spurious Emissions

RESULT:

Not applicable

**Test Specification**

|                  |   |                                   |
|------------------|---|-----------------------------------|
| Test standard    | : | EN 300 330 V2.1.1                 |
| Test requirement | : | EN 300 330 V2.1.1, Clause 4.4.2   |
| Limit            | : | EN 300 330 V2.1.1, Clause 4.4.2.3 |
| Test suites      | : | EN 300 330 V2.1.1, Clause 6.3.1   |

Note: This EUT receiver co-located with transmitter, according to clause 4.4.2.1 of EN 300 330 V2.1.1: 2017, this requirement is applied receivers which are not co-located with transmitters, hence this requirement is not applicable.

### 5.2.2 Adjacent channel selectivity

RESULT:

Not applicable

**Test Specification**

|                  |   |                                   |
|------------------|---|-----------------------------------|
| Test standard    | : | EN 300 330 V2.1.1                 |
| Test requirement | : | EN 300 330 V2.1.1, Clause 4.4.3   |
| Limit            | : | EN 300 330 V2.1.1, Clause 4.4.3.3 |
| Test suites      | : | EN 300 330 V2.1.1, Clause 6.3.2   |

Note: The EUT is not a channelized system, according to clause 4.4.3.1 of EN 300 330 V2.1.1: 2017, this requirement is applied to channelized systems only, hence this requirement is not applicable.

### 5.2.3 Blocking or desensitization

RESULT:

Not applicable

**Test Specification**

|                  |   |                                   |
|------------------|---|-----------------------------------|
| Test standard    | : | EN 300 330 V2.1.1                 |
| Test requirement | : | EN 300 330 V2.1.1, Clause 4.4.4   |
| Limit            | : | EN 300 330 V2.1.1, Clause 4.4.4.3 |
| Test suites      | : | EN 300 330 V2.1.1, Clause 6.3.3   |

Note: The EUT is not a channelized system, according to clause 4.4.4.1 of EN 300 330 V2.1.1: 2017, this requirement is applied to channelized systems only, hence this requirement is not applicable.

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Test Report No.:

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## 6 Safety Human Exposure

### 6.1 Human Exposure to Electromagnetic Fields 10MHz-300GHz

#### 6.1.1 Electromagnetic Fields

**RESULT:** Pass

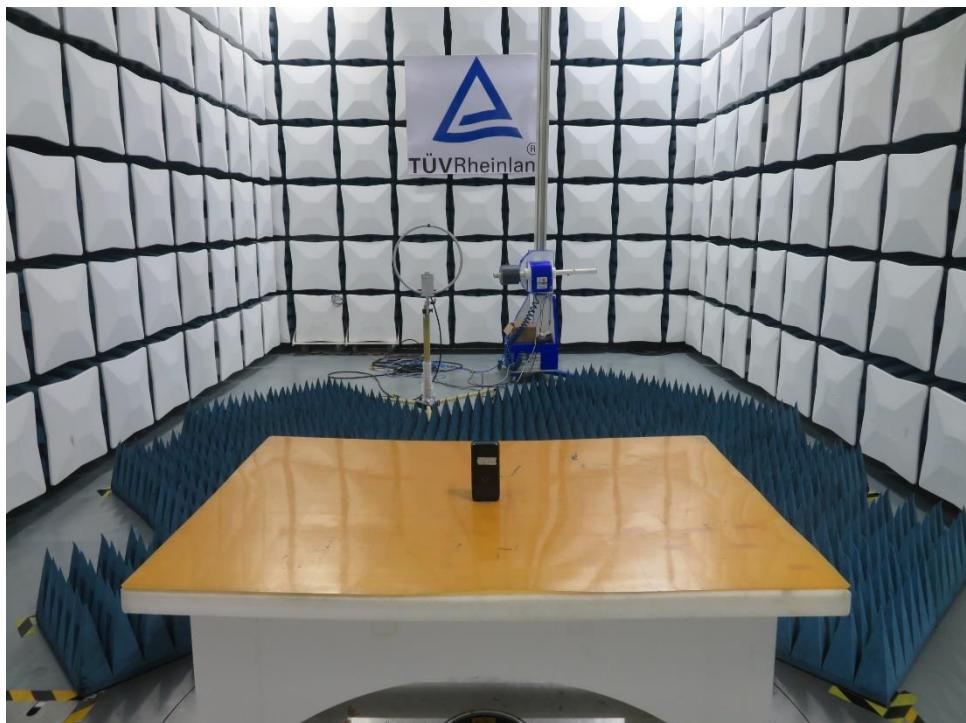
##### Test Specification

Test standard : EN 62479: 2010

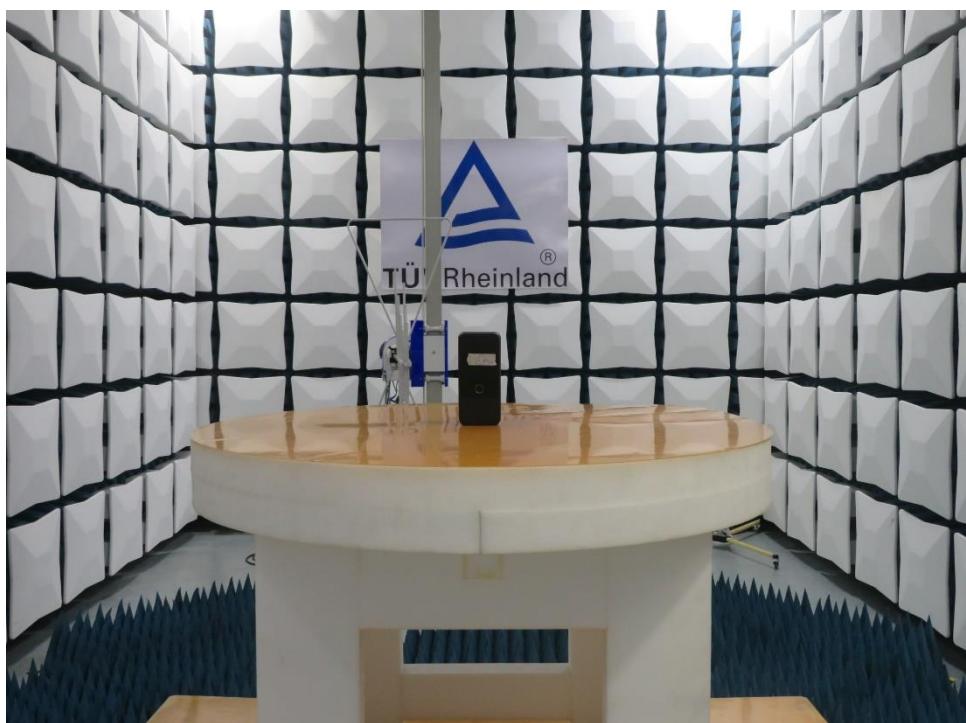
The maximum measured power of EUT is far below the SAR test exclusion threshold level (20mW). So, According to EN 62479:2010 clause 4.2, if the average total radiated power emitted by apparatus operating in the frequency range 10MHz-300GHz is less than or equal to 13.01dBm(20mW), then the apparatus is deemed to comply with the basic restrictions without testing.

## 7 Photographs of the Test Set-Up

Photograph 1: Set-up for Spurious Emissions, Below 30MHz



Photograph 2: Set-up for Spurious Emissions, Above 30MHz



## 8 List of Tables

|   |    |
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| Table 4: List of Accessories and Auxiliary Equipment..... | 10 |

## 9 List of Photographs

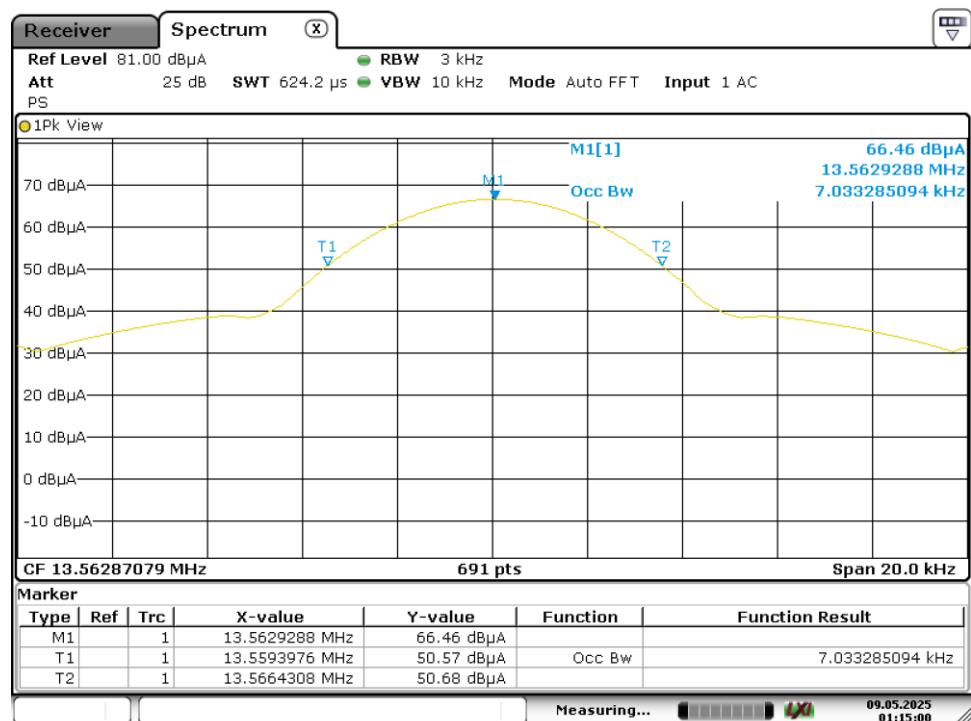
|  |    |
|--|----|
| Photograph 1: Set-up for Spurious Emissions, Below 30MHz.....  | 21 |
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## Appendix A: Test Results of NFC

|  |           |
|--|-----------|
| <b>APPENDIX A: TEST RESULTS OF NFC .....</b>   | <b>1</b>  |
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## Appendix A.1: Test Results of Operating Frequency Ranges

| Test Conditions | Frequency Range              |                              |                            |                            | Verdict |
|-----------------|------------------------------|------------------------------|----------------------------|----------------------------|---------|
|                 | f <sub>L</sub> Channel (MHz) | f <sub>H</sub> Channel (MHz) | f <sub>L</sub> Limit (MHz) | f <sub>H</sub> Limit (MHz) |         |
| Normal          | 13.559                       | 13.566                       | 13.553                     | 13.567                     | Pass    |



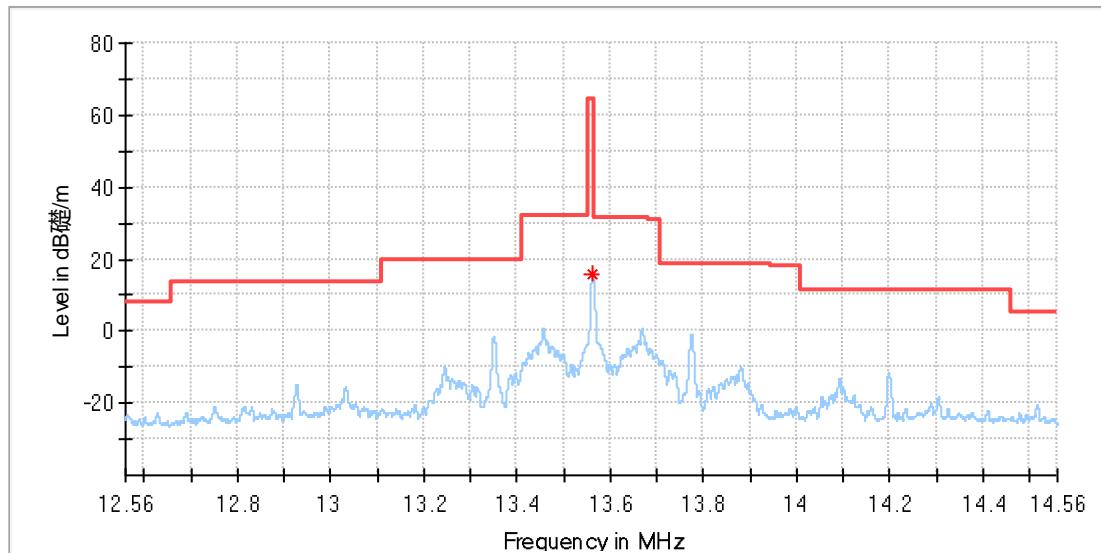
Date: 9.MAY.2025 01:15:00

## Appendix A.2: Test Results of Modulation Bandwidth

*Operating mode*

### EUT Information

EUT Name: Smart Lock U400  
Model: DL-D06E  
Test Mode: NFC  
Order No/Sample No: 168549449/A003968627-001  
Test Voltage: Battery  
Remark: Temp 24 Humi:50%  
Test Standard: EN 300330  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



### Critical\_Freqs

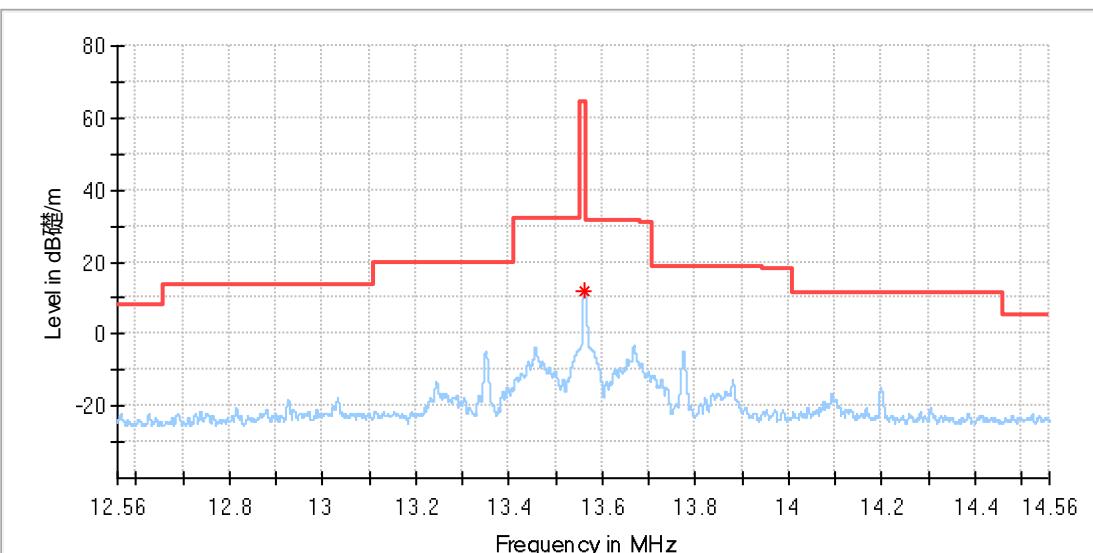
| Frequency (MHz) | MaxPeak (dBµA/m) | Limit (dBµA/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 13.562941       | 15.68            | 64.52          | 48.84       | 100.0       | X   | 177.0         | -31.1        |

### Final\_Result

| Frequency (MHz) | QuasiPeak (dBµA/m) | Limit (dBµA/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|--------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---                | ---            | ---         | ---         |     | ---           | ---          |

## EUT Information

EUT Name: Smart Lock U400  
Model: DL-D06E  
Test Mode: NFC  
Order No/Sample No: 168549449/A003968627-001  
Test Voltage: Battery  
Remark: Temp 24 Humi:50%  
Test Standard: EN 300330  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical\_Freqs

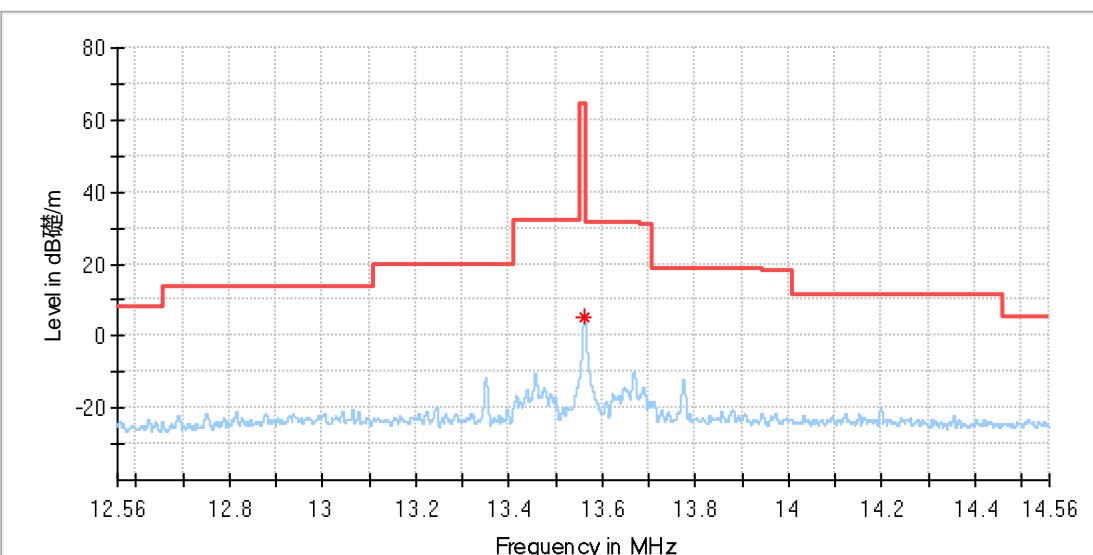
| Frequency (MHz) | MaxPeak (dBµA/m) | Limit (dBµA/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 13.562941       | 12.18            | 64.52          | 52.34       | 100.0       | Y   | 272.0         | -31.1        |

## Final\_Result

| Frequency (MHz) | QuasiPeak (dBµA/m) | Limit (dBµA/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|--------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---                | ---            | ---         | ---         |     | ---           | ---          |

## EUT Information

EUT Name: Smart Lock U400  
Model: DL-D06E  
Test Mode: NFC  
Order No/Sample No: 168549449/A003968627-001  
Test Voltage: Battery  
Remark: Temp 24 Humi:50%  
Test Standard: EN 300330  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical\_Freqs

| Frequency (MHz) | MaxPeak (dB $\mu$ A/m) | Limit (dB $\mu$ A/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------------|----------------------|-------------|-------------|-----|---------------|--------------|
| 13.562941       | 5.08                   | 64.52                | 59.44       | 100.0       | Z   | 160.0         | -31.1        |

## Final\_Result

| Frequency (MHz) | QuasiPeak (dB $\mu$ A/m) | Limit (dB $\mu$ A/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|--------------------------|----------------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---                      | ---                  | ---         | ---         |     | ---           | ---          |

### Appendix A.3: Test Results of Transmitter H-field Requirements

| Operating mode  |                                 |                              |                           |                          |         |
|-----------------|---------------------------------|------------------------------|---------------------------|--------------------------|---------|
| Frequency (MHz) | Reading Level (dB $\mu$ A/m@3m) | Corrected Factor to 10m (dB) | Result (dB $\mu$ A/m@10m) | Limit (dB $\mu$ A/m@10m) | Verdict |
| 13.56           | 14.92                           | 23.10                        | -8.18                     | 42                       | Pass    |

Note: Refer to EN 300 330, Annex H.2, H3m = H10m +C3 (C3 ≈ 23.1dB)

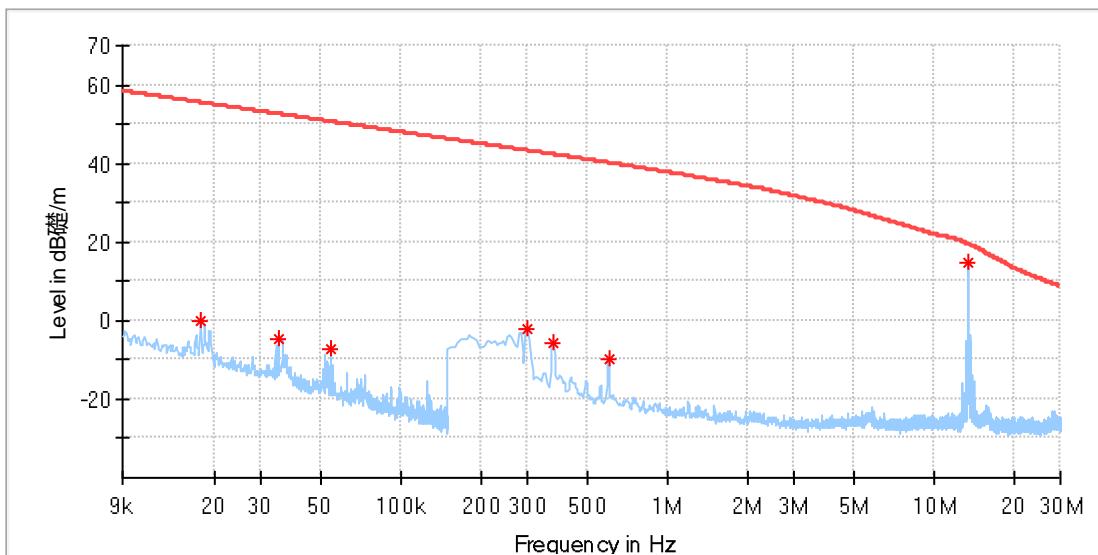
#### **Appendix A.4: Test Results of Transmitter Spurious Emissions < 30MHz**

Remark: 13.56MHz is fundamental frequency and don't consider in this test item.

## *Operating mode*

## EUT Information

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | Smart Lock U400          |
| Model:              | DL-D06E                  |
| Test Mode:          | NFC                      |
| Order No/Sample No: | 168549449/A003968627-001 |
| Test Voltage:       | Battery                  |
| Remark:             | Temp 24 Humi:50%         |
| Test Standard:      | EN 300330                |
| Tested By:          | Kei Zhang                |
| Reviewed By:        | Terry Yin                |



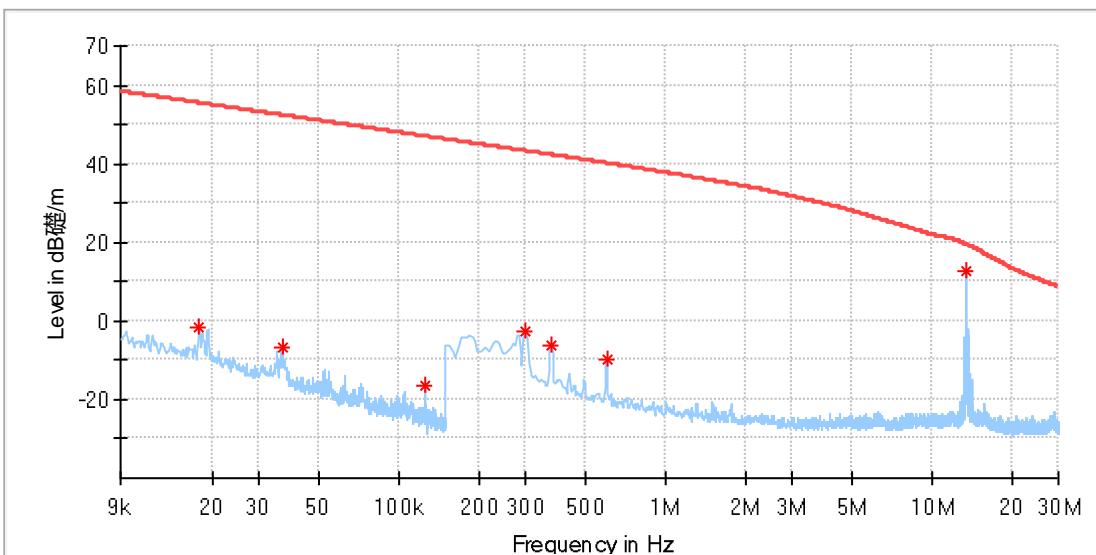
## Critical\_Freqs

| Frequency (MHz) | MaxPeak (dBµA/m) | Limit (dBµA/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 0.017661        | -0.12            | 55.44          | 55.56       | 100.0       | X   | 0.0           | -31.3        |
| 0.034682        | -4.45            | 52.50          | 56.95       | 100.0       | X   | 0.0           | -31.3        |
| 0.054422        | -7.28            | 50.55          | 57.82       | 100.0       | X   | 0.0           | -31.3        |
| 0.299250        | -2.14            | 43.15          | 45.30       | 100.0       | X   | 214.0         | -31.3        |
| 0.373875        | -5.90            | 42.18          | 48.08       | 100.0       | X   | 142.0         | -31.3        |
| 0.602140        | -9.59            | 40.09          | 49.68       | 100.0       | X   | 193.0         | -31.4        |
| 13.560552       | 14.92            | 19.38          | 4.47        | 100.0       | X   | 4.0           | -31.1        |

## Final Result

## EUT Information

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | Smart Lock U400          |
| Model:              | DL-D06E                  |
| Test Mode:          | NFC                      |
| Order No/Sample No: | 168549449/A003968627-001 |
| Test Voltage:       | Battery                  |
| Remark:             | Temp 24 Humi:50%         |
| Test Standard:      | EN 300330                |
| Tested By:          | Kei Zhang                |
| Reviewed By:        | Terry Yin                |



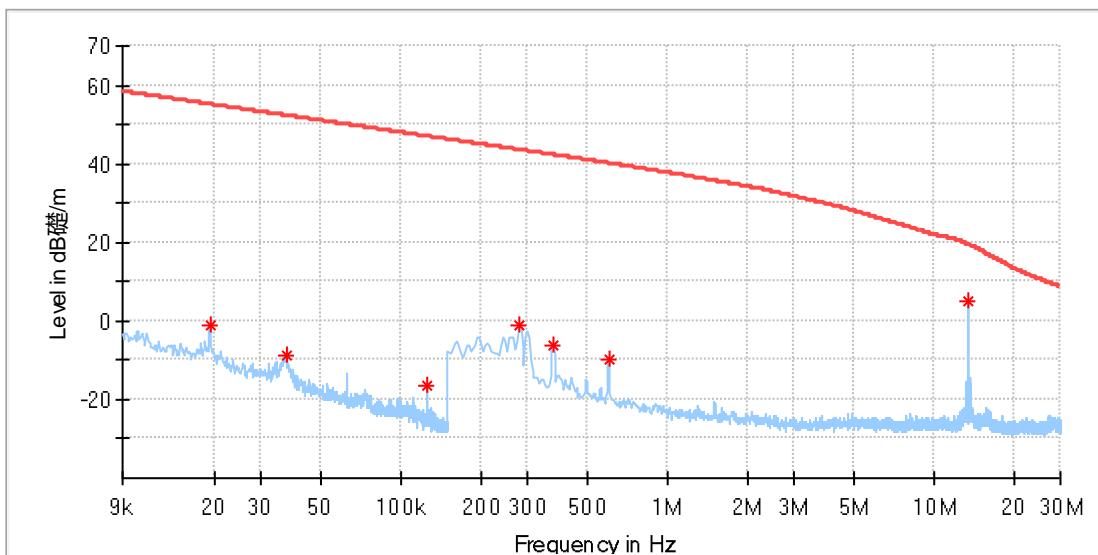
## Critical Freqs

| Frequency (MHz) | MaxPeak (dBµA/m) | Limit (dBµA/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 0.017762        | -1.69            | 55.42          | 57.11       | 100.0       | Y   | 79.0          | -31.3        |
| 0.036696        | -6.73            | 52.26          | 58.98       | 100.0       | Y   | 190.0         | -31.3        |
| 0.125023        | -16.43           | 46.93          | 63.35       | 100.0       | Y   | 186.0         | -31.3        |
| 0.299250        | -2.85            | 43.15          | 46.01       | 100.0       | Y   | 33.0          | -31.3        |
| 0.373875        | -6.03            | 42.18          | 48.21       | 100.0       | Y   | 330.0         | -31.3        |
| 0.602140        | -9.78            | 40.09          | 49.87       | 100.0       | Y   | 235.0         | -31.4        |
| 13.560552       | 12.78            | 19.38          | 6.60        | 100.0       | Y   | 78.0          | -31.1        |

## Final Result

## EUT Information

EUT Name: Smart Lock U400  
Model: DL-D06E  
Test Mode: NFC  
Order No/Sample No: 168549449/A003968627-001  
Test Voltage: Battery  
Remark: Temp 24 Humi:50%  
Test Standard: EN 300330  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical Freqs

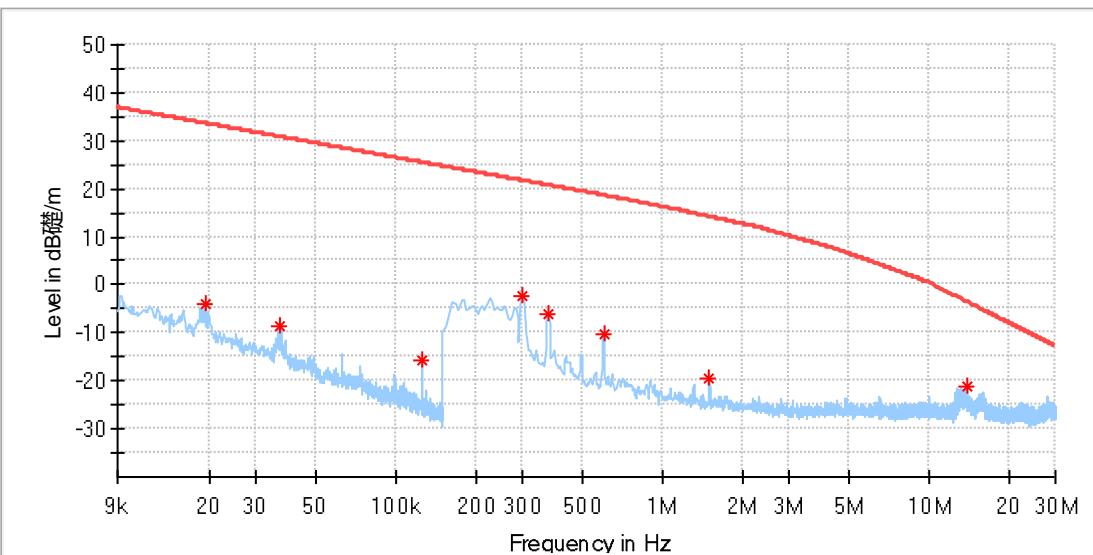
| Frequency (MHz) | MaxPeak (dBµA/m) | Limit (dBµA/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 0.019172        | -1.22            | 55.09          | 56.30       | 100.0       | Z   | 240.0         | -31.3        |
| 0.036999        | -8.72            | 52.22          | 60.94       | 100.0       | Z   | 251.0         | -31.3        |
| 0.125023        | -16.42           | 46.93          | 63.35       | 100.0       | Z   | 341.0         | -31.3        |
| 0.277302        | -1.22            | 43.48          | 44.70       | 100.0       | Z   | 149.0         | -31.3        |
| 0.373875        | -6.06            | 42.18          | 48.24       | 100.0       | Z   | 64.0          | -31.3        |
| 0.602140        | -9.84            | 40.09          | 49.93       | 100.0       | Z   | 168.0         | -31.4        |
| 13.560552       | 5.07             | 19.38          | 14.31       | 100.0       | Z   | 181.0         | -31.1        |

## Final Result

## *Standby mode*

## EUT Information

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | Smart Lock U400          |
| Model:              | DL-D06E                  |
| Test Mode:          | NFC                      |
| Order No/Sample No: | 168549449/A003968627-001 |
| Test Voltage:       | Battery                  |
| Remark:             | Temp 24 Humi:50%         |
| Test Standard:      | EN 300330                |
| Tested By:          | Kei Zhang                |
| Reviewed By:        | Terry Yin                |



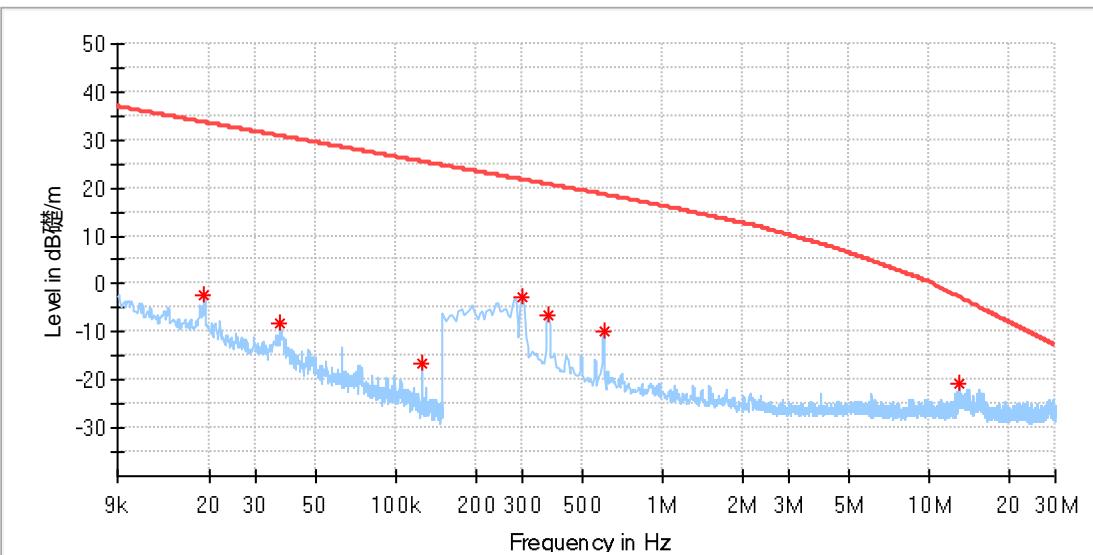
## Critical\_Freqs

| Frequency (MHz) | MaxPeak (dB $\mu$ A/m) | Limit (dB $\mu$ A/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------------|----------------------|-------------|-------------|-----|---------------|--------------|
| 0.019172        | -3.99                  | 33.59                | 37.58       | 100.0       | X   | 36.0          | -31.3        |
| 0.036797        | -8.69                  | 30.75                | 39.44       | 100.0       | X   | 82.0          | -31.3        |
| 0.125023        | -15.93                 | 25.43                | 41.36       | 100.0       | X   | 280.0         | -31.3        |
| 0.299250        | -2.32                  | 21.65                | 23.97       | 100.0       | X   | 85.0          | -31.3        |
| 0.373875        | -5.95                  | 20.68                | 26.63       | 100.0       | X   | 235.0         | -31.3        |
| 0.602140        | -10.07                 | 18.59                | 28.66       | 100.0       | X   | 249.0         | -31.4        |
| 1.506419        | -19.46                 | 14.12                | 33.58       | 100.0       | X   | 36.0          | -31.4        |
| 13.911728       | -21.08                 | -3.53                | 17.54       | 100.0       | X   | 57.0          | -31.1        |

# Final Result

## EUT Information

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | Smart Lock U400          |
| Model:              | DL-D06E                  |
| Test Mode:          | NFC                      |
| Order No/Sample No: | 168549449/A003968627-001 |
| Test Voltage:       | Battery                  |
| Remark:             | Temp 24 Humi:50%         |
| Test Standard:      | EN 300330                |
| Tested By:          | Kei Zhang                |
| Reviewed By:        | Terry Yin                |



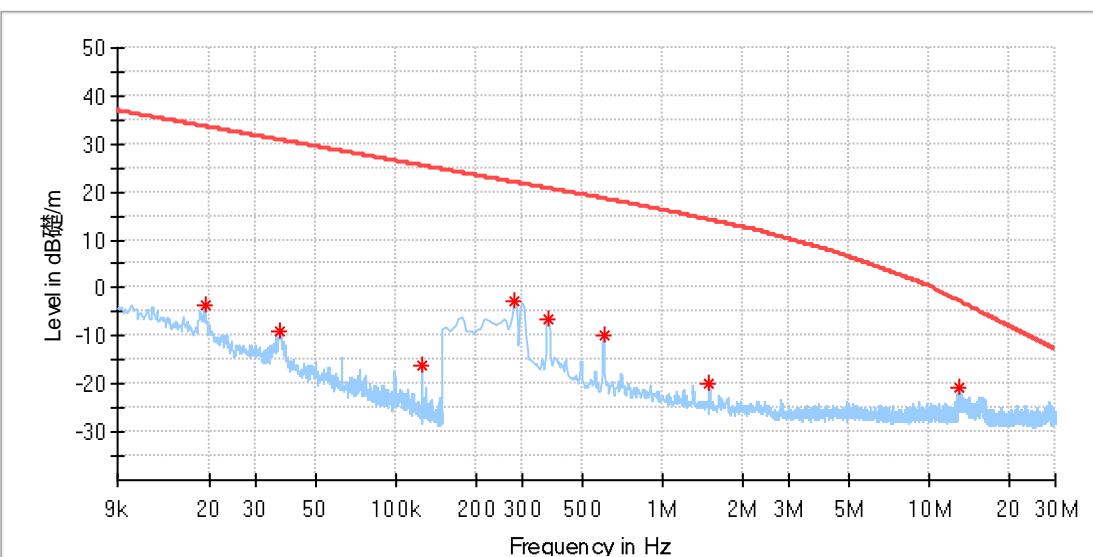
## Critical Freqs

| Frequency (MHz) | MaxPeak (dB $\mu$ A/m) | Limit (dB $\mu$ A/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------------|----------------------|-------------|-------------|-----|---------------|--------------|
| 0.019071        | -2.26                  | 33.61                | 35.87       | 100.0       | Y   | 71.0          | -31.3        |
| 0.036696        | -8.36                  | 30.76                | 39.11       | 100.0       | Y   | 71.0          | -31.3        |
| 0.125023        | -16.40                 | 25.43                | 41.83       | 100.0       | Y   | 208.0         | -31.3        |
| 0.299250        | -2.91                  | 21.65                | 24.56       | 100.0       | Y   | 36.0          | -31.3        |
| 0.373875        | -6.42                  | 20.68                | 27.10       | 100.0       | Y   | 27.0          | -31.3        |
| 0.602140        | -10.04                 | 18.59                | 28.63       | 100.0       | Y   | 271.0         | -31.4        |
| 13.130360       | -20.57                 | -2.84                | 17.74       | 100.0       | Y   | 8.0           | -31.1        |

## Final Result

## EUT Information

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | Smart Lock U400          |
| Model:              | DL-D06E                  |
| Test Mode:          | NFC                      |
| Order No/Sample No: | 168549449/A003968627-001 |
| Test Voltage:       | Battery                  |
| Remark:             | Temp 24 Humi:50%         |
| Test Standard:      | EN 300330                |
| Tested By:          | Kei Zhang                |
| Reviewed By:        | Terry Yin                |



## Critical Freqs

| Frequency (MHz) | MaxPeak (dBµA/m) | Limit (dBµA/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 0.019172        | -3.56            | 33.59          | 37.14       | 100.0       | Z   | 0.0           | -31.3        |
| 0.036696        | -8.90            | 30.76          | 39.66       | 100.0       | Z   | 82.0          | -31.3        |
| 0.125023        | -16.26           | 25.43          | 41.69       | 100.0       | Z   | 28.0          | -31.3        |
| 0.277302        | -2.73            | 21.98          | 24.71       | 100.0       | Z   | 209.0         | -31.3        |
| 0.373875        | -6.31            | 20.68          | 26.99       | 100.0       | Z   | 0.0           | -31.3        |
| 0.602140        | -9.72            | 18.59          | 28.31       | 100.0       | Z   | 0.0           | -31.4        |
| 1.506419        | -19.93           | 14.12          | 34.05       | 100.0       | Z   | 179.0         | -31.4        |
| 13.130360       | -20.77           | -2.84          | 17.93       | 100.0       | Z   | 263.0         | -31.1        |

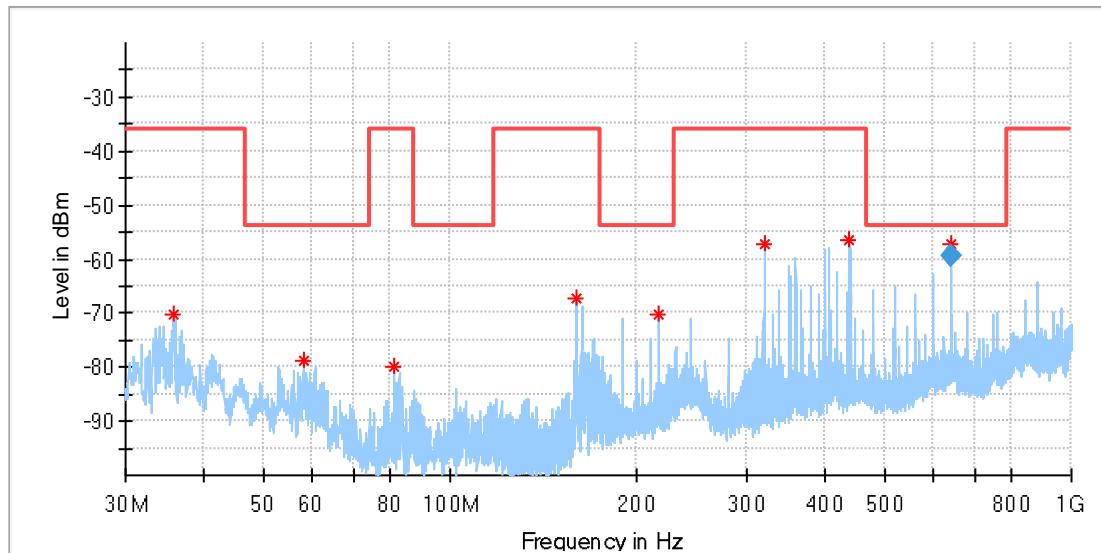
## Final Result

## Appendix A.5: Test Results of Transmitter Spurious Emissions > 30MHz

*Operating mode*

### EUT Information

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | Smart Lock U400          |
| Model:              | DL-D06E                  |
| Test Mode:          | NFC                      |
| Order No/Sample No: | 168549449/A003968627-001 |
| Test Voltage:       | Battery                  |
| Remark:             | Temp 24 Humi:50%         |
| Test Standard:      | EN 300330                |
| Tested By:          | Kei Zhang                |
| Reviewed By:        | Terry Yin                |



### Critical\_Freqs

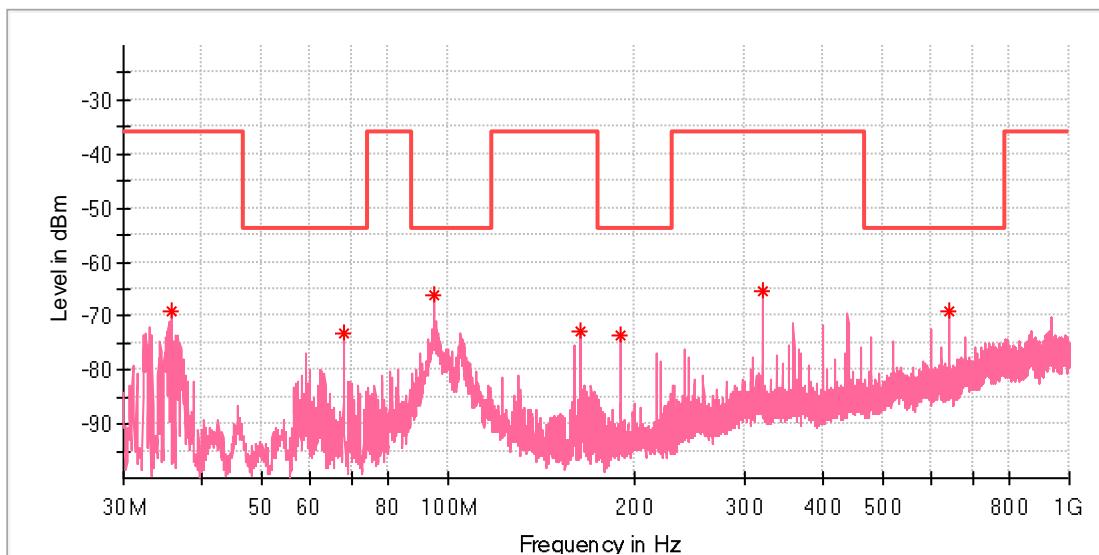
| Frequency (MHz) | RMS (dBm) | DET 2 (dBm) | Limit (dBm) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB) |
|-----------------|-----------|-------------|-------------|-------------|-------------|-----|---------------|------------|
| 35.820000       | -70.39    | ---         | -36.00      | 34.39       | 150.0       | H   | 0.0           | -113.5     |
| 58.218182       | -78.87    | ---         | -54.00      | 24.87       | 150.0       | H   | 46.0          | -116.7     |
| 81.365909       | -79.93    | ---         | -36.00      | 43.93       | 150.0       | H   | 0.0           | -123.5     |
| 160.024091      | -67.30    | ---         | -36.00      | 31.30       | 150.0       | H   | 8.0           | -122.8     |
| 216.989546      | -70.25    | ---         | -54.00      | 16.25       | 150.0       | H   | 0.0           | -114.4     |
| 319.985909      | -57.31    | ---         | -36.00      | 21.31       | 150.0       | H   | 0.0           | -114.1     |
| 440.001364      | -56.32    | ---         | -36.00      | 20.32       | 150.0       | H   | 31.0          | -110.0     |
| 639.997727      | -57.09    | ---         | -54.00      | 3.09        | 150.0       | H   | 0.0           | -104.5     |

### Final\_Result

| Frequency (MHz) | QuasiPeak (dBm) | Limit (dBm) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB) |
|-----------------|-----------------|-------------|-------------|-------------|-----|---------------|------------|
| 639.997727      | -59.33          | -54.00      | 5.33        | 145.0       | H   | -1.0          | -104.5     |

## EUT Information

EUT Name: Smart Lock U400  
Model: DL-D06E  
Test Mode: NFC  
Order No/Sample No: 168549449/A003968627-001  
Test Voltage: Battery  
Remark: Temp 24 Humi:50%  
Test Standard: EN 300330  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical Freqs

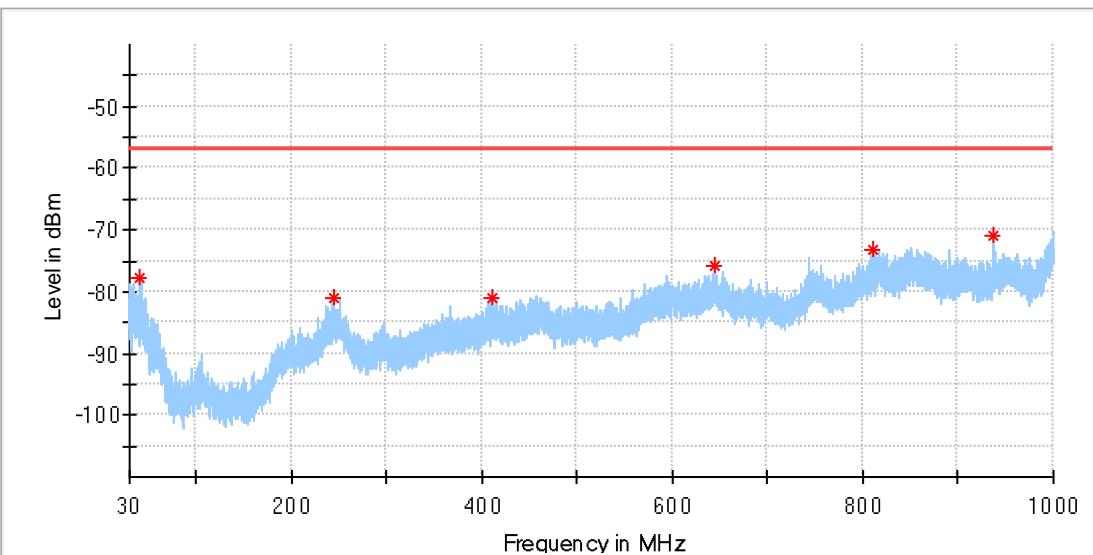
| Frequency (MHz) | RMS (dBm) | DET 2 (dBm) | Limit (dBm) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB) |
|-----------------|-----------|-------------|-------------|-------------|-------------|-----|---------------|------------|
| 35.775909       | -69.03    | ---         | -36.00      | 33.03       | 150.0       | V   | 139.0         | -125.9     |
| 67.785909       | -73.39    | ---         | -54.00      | 19.39       | 150.0       | V   | 154.0         | -122.7     |
| 94.945909       | -66.14    | ---         | -54.00      | 12.14       | 150.0       | V   | 154.0         | -99.7      |
| 162.757727      | -72.98    | ---         | -36.00      | 36.98       | 150.0       | V   | 139.0         | -120.3     |
| 189.873636      | -73.40    | ---         | -54.00      | 19.40       | 150.0       | V   | 139.0         | -119.1     |
| 319.985909      | -65.41    | ---         | -36.00      | 29.41       | 150.0       | V   | 82.0          | -111.6     |
| 639.997727      | -68.93    | ---         | -54.00      | 14.93       | 150.0       | V   | 82.0          | -107.0     |

## Final Result

Standby mode

## EUT Information

EUT Name: Smart Lock U400  
Model: DL-D06E  
Test Mode: NFC  
Order No/Sample No: 168549449/A003968627-001  
Test Voltage: Battery  
Remark: Temp 24 Humi:50%  
Test Standard: EN 300330  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical\_Freqs

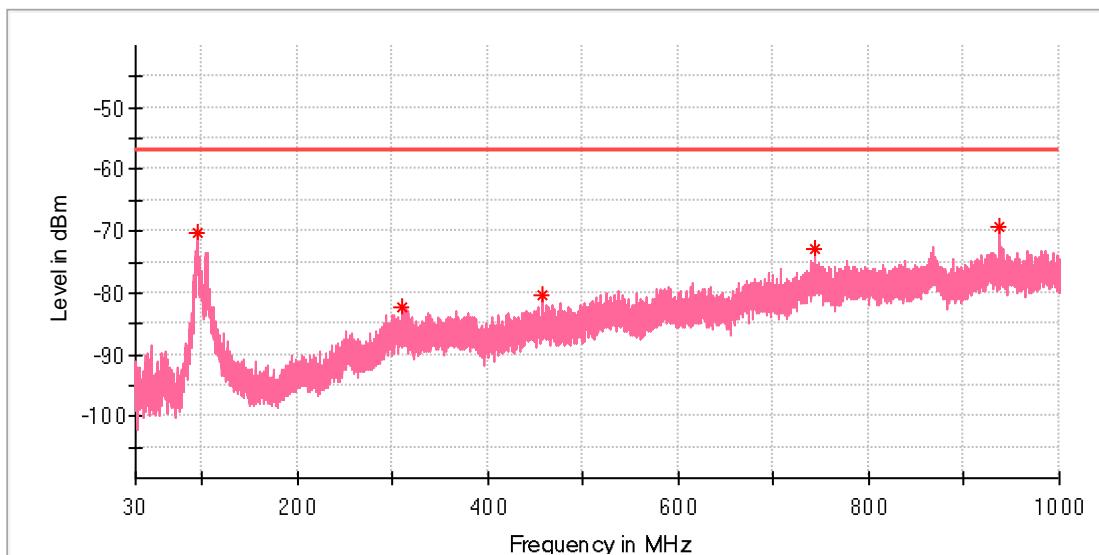
| Frequency (MHz) | RMS (dBm) | Limit (dBm) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB) |
|-----------------|-----------|-------------|-------------|-------------|-----|---------------|------------|
| 41.507727       | -77.92    | -57.00      | 20.92       | 150.0       | H   | 348.0         | -112.3     |
| 244.810909      | -81.06    | -57.00      | 24.06       | 150.0       | H   | 211.0         | -109.9     |
| 410.901364      | -81.04    | -57.00      | 24.04       | 150.0       | H   | 299.0         | -109.5     |
| 645.420909      | -75.96    | -57.00      | 18.96       | 150.0       | H   | 173.0         | -104.3     |
| 811.246818      | -73.18    | -57.00      | 16.18       | 150.0       | H   | 323.0         | -101.4     |
| 937.523182      | -70.80    | -57.00      | 13.80       | 150.0       | H   | 265.0         | -101.8     |

## Final\_Result

| Frequency (MHz) | QuasiPeak (dBm) | Limit (dBm) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB) |
|-----------------|-----------------|-------------|-------------|-------------|-----|---------------|------------|
| ---             | ---             | ---         | ---         | ---         |     | ---           | ---        |

## EUT Information

EUT Name: Smart Lock U400  
Model: DL-D06E  
Test Mode: NFC  
Order No/Sample No: 168549449/A003968627-001  
Test Voltage: Battery  
Remark: Temp 24 Humi:50%  
Test Standard: EN 300330  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical Freqs

| Frequency (MHz) | RMS (dBm) | Limit (dBm) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB) |
|-----------------|-----------|-------------|-------------|-------------|-----|---------------|------------|
| 95.695455       | -70.20    | -57.00      | 13.20       | 150.0       | V   | 346.0         | -100.7     |
| 309.404091      | -82.29    | -57.00      | 25.29       | 150.0       | V   | 0.0           | -111.3     |
| 458.078636      | -80.51    | -57.00      | 23.51       | 150.0       | V   | 330.0         | -109.8     |
| 742.509091      | -72.91    | -57.00      | 15.91       | 150.0       | V   | 113.0         | -101.9     |
| 937.523182      | -69.17    | -57.00      | 12.17       | 150.0       | V   | 55.0          | -100.4     |

## Final Result